

ATSAMD20E16A-MN



Part Number:

ATSAMD20E16A-MN

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 32BIT 64KB FLASH 32QFN

Data sheet:

 [SAM D20\(E,G,J\) Summary](#)

 [SAM D20 Family Silicon Errata](#)

 [SAM D20 Family Complete Datasheet](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

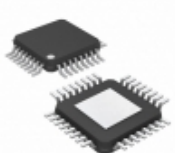
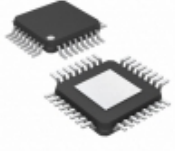
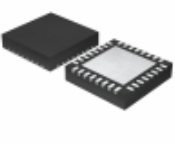
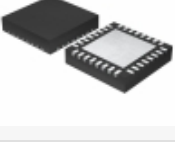
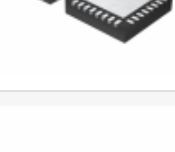
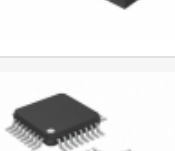
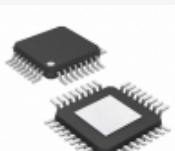
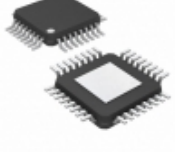
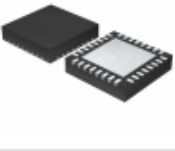
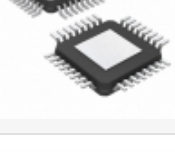
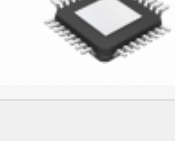
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy ATSAMD20E16A-MN with confidence from  
Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                             |                                 |                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ATSAMD20E16A-MN                                                                             | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 64KB FLASH 32QFN                                                               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 68061 pcs                                                                                   | Data sheet                      | <a href="#">SAM D20(E,G,J) Summary</a><br><a href="#">SAM D20 Family Silicon Errata</a><br><a href="#">SAM D20 Family Complete</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                                   | Voltage - Supply (Vcc/Vdd)      | <a href="#">Datasheet</a><br>1.02 V ~ 3.6 V                                                                                        |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-QFN (5x5)                                                                                | Speed                           | 48MHz                                                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SAM D20E                                                                                    | RAM Size                        | 8K x 8                                                                                                                             |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                                                                       | Program Memory Size             | 64KB (64K x 8)                                                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Brown-out Detect/Reset, POR, WDT                                                            | Packaging                       | Tray                                                                                                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 32-VFQFN Exposed Pad                                                                        | Oscillator Type                 | Internal                                                                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -40°C ~ 105°C (TA)                                                                          | Number of I/O                   | 26                                                                                                                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 (168 Hours)                                                                               | Manufacturer Standard Lead Time | 17 Weeks                                                                                                                           |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Lead free / RoHS Compliant                                                                  | EEPROM Size                     | -                                                                                                                                  |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ARM® Cortex®-M0+ SAM D20E Microcontroller IC 32-Bit 48MHz 64KB (64K x 8) FLASH 32-QFN (5x5) | Data Converters                 | A/D 10x12b, D/A 1x10b                                                                                                              |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 32-Bit                                                                                      | Core Processor                  | ARM® Cortex®-M0+                                                                                                                   |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PC, SPI, UART/USART                                                                         | Base Part Number                | ATSAMD20E16                                                                                                                        |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Micrel / Microchip Technology series electronic components. We have 68061 pieces of Micrel / Microchip Technology ATSAMD20E16A-MN in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                                                                             |                                 |                                                                                                                                    |

| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATSAMD20E16B-AN</a><br>Description: 32TQFP 105C, GREEN,1.6-3.6V,48MH  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-AU</a><br>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-MNT</a><br>Description: 32QFN 105C, GREEN,1.6-3.6V,48MHZ | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15B-MUT</a><br>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-MN</a><br>Description: 32QFN 105C, GREEN,1.6-3.6V,48MHZ  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-AU</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-MNT</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15A-MU</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15B-MU</a><br>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-AN</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-MU</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-AUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15A-MUT</a><br>Description: IC MCU 32BIT 32KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15B-AUT</a><br>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V, | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E15B-AU</a><br>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V,  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-ANT</a><br>Description: IC MCU 32BIT 64KB FLASH 32TQFP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-MU</a><br>Description: 32QFN IND TEMP, GREEN,1.6-3.6V,4  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-ANT</a><br>Description: 32TQFP 105C, GREEN,1.6-3.6V,48MH | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16A-MUT</a><br>Description: IC MCU 32BIT 64KB FLASH 32QFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATSAMD20E16B-AUT</a><br>Description: 32TQFP IND TEMP, GREEN,1.6-3.6V, | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for ATSAMD20E16A-MN          |                                      |                                        |                       |
|-----------------------------------------------|--------------------------------------|----------------------------------------|-----------------------|
| Micrel / Microchip Technology ATSAMD20E16A-MN | ATSAMD20E16A-MN distributor          | ATSAMD20E16A-MN supplier               | ATSAMD20E16A-MN price |
| ATSAMD20E16A-MN download datasheet            | ATSAMD20E16A-MN datasheet            | ATSAMD20E16A-MN stock                  | buy ATSAMD20E16A-MN   |
| Micrel / Microchip Technology ATSAMD20E16A-MN | Microchip Technology ATSAMD20E16A-MN | Roving Networks / Microchip Technology | ATSAMD20E16A-MN       |